

Application No. (if known) 18,680

Attorney Docket No.: 17170/005001

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09-28-07

10/518680

C ofe



Docket No.: 17170/005001
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:
Denis Even

Patent No.: 7,243,414

Issued: July 17, 2007

For: DEVICE FOR GRIPPING AND
TRANSFERRING A RING OF ELECTRICAL
CONDUCTORS WHICH IS USED TO
PRODUCE A WINDING AND A WINDING-
PRODUCTION SYSTEM EMPLOYING ONE
SUCH DEVICE

Certificate

OCT 02 2007

of Correction

**REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 CFR 1.322**

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Upon reviewing the above-identified patent, Patentee noted a typographical error which should be corrected.

On the Cover Page:

On the Cover Page, section (73) Assignee, "Valeo Equipments Electriques Moteur should be --Valeo Equipements Electriques Moteur--.

The error was not in the application as filed by applicant; accordingly no fee is required.

OCT 2 2007

Patent No.: 7,243,414

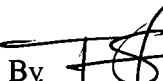
Docket No.: 17170/005001

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Also enclosed, as evidence of the error, is a copy of cover page of the issued patent, a copy of the Notice of Recordation of Assignment Document and a copy of Part B-Fee(s) Transmittal as filed, which shows the correct spelling of the Assignee's name. Patentee respectfully solicits the granting of the requested Certificate of Correction.

Applicant believes no fee is due with this request. However, if a fee is due, please charge our Deposit Account No. 50-0591, under Order No. 17170/005001.

Dated: September 27, 2007

Respectfully submitted,

By  #45,079
Jonathan P. Osha THOMAS SCHERER
Registration No.: 33,986
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US007243414B2

(12) **United States Patent**
Even

(10) **Patent No.:** **US 7,243,414 B2**
(45) **Date of Patent:** **Jul. 17, 2007**

(54) **DEVICE FOR GRIPPING AND TRANSFERRING A RING OF ELECTRICAL CONDUCTORS WHICH IS USED TO PRODUCE A WINDING AND A WINDING-PRODUCTION SYSTEM EMPLOYING ONE SUCH DEVICE**

(75) Inventor: **Denis Even**, Paris (FR)

* (73) Assignee: **Valeo Equipments Electriques**
Moteur, Creteil Cedex (FR)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **10/518,680**

(22) PCT Filed: **Jun. 24, 2003**

(86) PCT No.: **PCT/FR03/01929**

§ 371 (c)(1),
(2), (4) Date: **Feb. 6, 2006**

(87) PCT Pub. No.: **WO04/001931**

PCT Pub. Date: **Dec. 31, 2003**

(65) **Prior Publication Data**

US 2006/0230607 A1 Oct. 19, 2006

(30) **Foreign Application Priority Data**

Jun. 25, 2002 (FR) 02 07824

(51) **Int. Cl.**
H02K 15/04 (2006.01)
H02K 15/06 (2006.01)

(52) **U.S. Cl.** **29/732; 29/281; 29/596;**
29/760

(58) **Field of Classification Search** **29/596,**
29/598, 732-736, 760, 251, 252, 253, 244,
29/281.1; 294/86.4, 87.1; 296/289 R, 900,
296/909

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,476,745 A * 7/1949 Leece 72/427
5,522,125 A 6/1996 Bradtmueller et al.

FOREIGN PATENT DOCUMENTS

GB 1514609 A 6/1978
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OTHER PUBLICATIONS

International Search Report dated Nov. 5, 2003, 3 pages.

* cited by examiner

Primary Examiner—Peter Vo

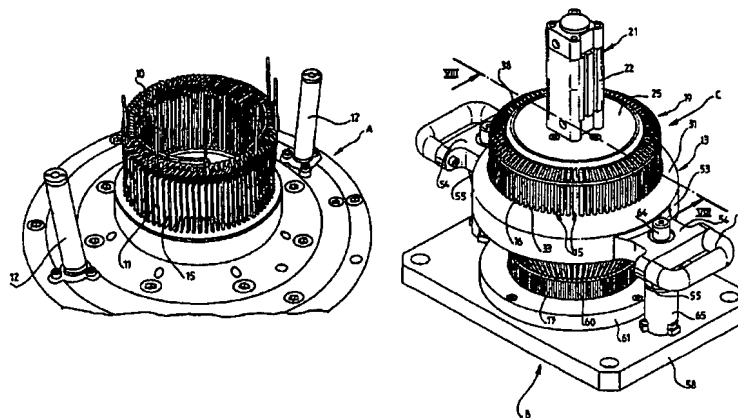
Assistant Examiner—Livius R. Cazan

(74) *Attorney, Agent, or Firm*—Osha Liang LLP

(57) **ABSTRACT**

The invention relates to a device for gripping and transferring a ring of electrical conductors in the form of pins which are used to produce a winding, such as a pin winding. The gripping device (C) is designed to seize the ring from a first element, such as a ring-forming element, and to transfer same into a second element (B), such as an element used to insert the ring into the member that supports the winding to be produced. The inventive device comprises a control cone (19) which can be moved axially inside a frame (13) for contact with levers (15) which are pivot mounted to the frame, such that the levers pivot when the cone is moved. The winding-production system is characterized in that it comprises an autonomous gripping and transfer device (C) which can be separated from the above-mentioned first and second elements (B) and which can be positioned on same in a pre-determined reference position. The invention can be used to produce a stator for an electrically-rotating machine.

12 Claims, 7 Drawing Sheets



CCT 2 2007



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 03, 2006

PTAS



103175815A

JONATHAN P. OSHA
OSHA-LIANG LLP
1221 MCKINNEY ST., SUITE 2800
HOUSTON, TX 77010

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 02/06/2006

REEL/FRAME: 017565/0579
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 17170/005001

ASSIGNOR:

EVEN, DENIS

DOC DATE: 02/08/2005

ASSIGNEE:

* VALEO EQUIPEMENTS ELECTRIQUES
MOTEUR
2, RUE ANDRE-BOULLE
94017 CRETEIL, FRANCE

OCT 2 2007

SERIAL NUMBER: 10518680

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: DEVICE FOR GRIPPING AND TRANSFERRING A RING OF ELECTRICAL CONDUCTORS WHICH IS USED TO PRODUCE A WINDING AND A WINDING-PRODUCTUION SYSTEM EMPLOYING ONE SUCH DEVICE

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017565/0579 PAGE 2

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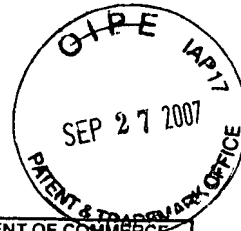
OCT 2 2007

2/6/06
Form PTO-1595
(Rev. 03/01)
OMB No. 0651-0027 (exp. 5/31/2002)

02-09-2006



U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office



103175815

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Denis Even

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: February 8, 2005

2. Name and address of receiving party(ies)

Name: Valeo Equipements Electriques Moteur *

Internal Address:

Street Address:

2, rue André-Boulle
94017 Créteil
FRANCE

City:

State:

Zip:

Additional name(s) & address(es) attached: ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is:

A. Patent Application No.(s):

10/518,680

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jonathan P. Osha
OSHA · LIANG LLP

Internal Address: Atty. Dkt.: 17170/005001

Street Address:
1221 McKinney St., Suite 2800

City:
Houston

State:
TX

Zip:
77010

6. Total number of applications and patents involved:

FINANCE SECTION
201 FEB - 6 MAR 7-03

7. Total fee (37 CFR 3.41)

\$ 40.00

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☐ Authorized to be charged to deposit account

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50-0591

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Thomas Scherer #45,079

Name of Person Signing

[Signature]

Signature

02/08/2006

01 FC:0821

Date

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Total number of pages including cover sheet, attachments, and documents: 3

40.00 00

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MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.


Dated: February 6, 2006

Signature: [Signature] (Ava R. Brown)

OCT 2 2007

ASSIGNMENT – U.S. RIGHTS ONLY

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

 **Valeo Equipements Electriques Moteur**

having the following address:

2, rue André-Boulle, F-94017 Créteil Cedex, FRANCE

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest for the United States of America (including without limitation its territories and possessions) in and to the invention known by the following title:

DEVICE FOR GRIPPING AND TRANSFERRING A RING OF ELECTRICAL CONDUCTOR WHICH IS USED TO PRODUCE A WINDING AND A WINDING-PRODUCTION SYSTEM EMPLOYING ONE SUCH DEVICE,

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all United States Letters Patent which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA & MAY L.L.P. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

<u>02/08/2005</u> Date	1 st Inventor Signature: <u>Denis Even</u> Print or Type Name: <u>Denis EVEN</u>
 Date	2 nd Inventor Signature: _____ Print or Type Name: _____
 Date	3 rd Inventor Signature: _____ Print or Type Name: _____
 Date	4 th Inventor Signature: _____ Print or Type Name: _____

Document9

This Assignment may be signed before two witnesses who sign below:



<u>0210812005</u> Date	Signature of Witness: <u>Didier Gammal</u> Print or Type Name: _____
 Date	Signature of Witness: _____ Print or Type Name: _____

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.: 10/518,680

Filing Date: December 17, 2004

Complete and send this form, together with applicable fee(s), to: Mail

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P.O. Box 1450
Alexandria, Virginia 22313-1450
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OSHA LIANG L.L.P.
1221 MCKINNEY STREET
SUITE 2800
HOUSTON, TX 77010

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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/518,680	02/06/2006	Denis Even	17170/005001	4948

TITLE OF INVENTION: DEVICE FOR GRIPPING AND TRANSFERRING A RING OF ELECTRICAL CONDUCTORS WHICH IS USED TO PRODUCE A WINDING AND A WINDING-PRODUCTION SYSTEM EMPLOYING ONE SUCH DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	07/20/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
CAZAN, LIVIUS RADU	3729	029-732000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Osha Liang LLP

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.111. Completion of this form is NOT a substitute for filing an assignment.

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(B) RESIDENCE: (CITY and STATE OR COUNTRY)

* Valeo Equipements Electriques Moteur Creteil Cedex, France

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature

Jeffrey S. Bergman

Date 7/8/07

Typed or printed name

JEFFREY S. BERGMAN

Registration No. 45,925

OCT 2 2007

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,243,414
APPLICATION NO. : 10/518,680
ISSUE DATE : July 17, 2007
INVENTOR(S) : Denis Even

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Cover Page:

On the Cover Page, section (73) Assignee, "Valeo Equipments Electriques
Moteur should be --Valeo Equipements Electriques Moteur--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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1221 McKinney St., Suite 2800
Houston, Texas 77010
275233_1

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